

CLAIMS

1-12. (Canceled).

13. Sewing or embroidery machine comprising a hook (15), which oscillates or rotates on a hook rotational axis (A), which can be driven by a drive (M) of the sewing machine (1) and which can be pivoted about a pivot axis (B) from a working position (X) into at least one bobbin changing position (Y), which is at a distance from the working position (X) and which is easily accessible from an outside of the machine, the rotational axis (A) of the hook (15) and a rotational axis of a driving gear (21) intersect at a point or at least cross at a point both in the working position (X) and also in the at least one bobbin changing position (Y).

14. Sewing or embroidery machine according to Claim 13, wherein the pivot axis (B) coincides with a rotational axis (C) of a main shaft (23) of the sewing or embroidery machine.

15. Sewing or embroidery machine according to Claim 13, wherein the rotational axis (A) of the hook (15) intersects with the pivot axis (B) in the working position (X).

16. Sewing or embroidery machine according to Claim 13, wherein the pivot axis (B) lies parallel to the rotational axis (A) of the hook (15).

17. Sewing or embroidery machine according to Claim 13, wherein a drive connection (29) of a hook shaft (27) located between the hook (15) and the drive (M) is maintained during pivoting movement of the hook (15) from the working position (X) into the at least one bobbin changing position (Y).

18. Sewing or embroidery machine according to Claim 13, wherein the hook (15) is supported so that it can rotate on a hook carrier (25) and can pivot with the hook carrier (25) on the pivot axis (B).

19. Sewing or embroidery machine according to Claim 18, wherein a driving bevel gear (29) is arranged on a hook shaft (27) of the hook directly on a hook rear side in front of the pivot axis (B) or behind the pivot axis (B) and behind the hook carrier (25).

20. Sewing or embroidery machine according to Claim 19, wherein a driven pinion (37) is located on a main shaft (23) of the sewing machine (1) and is in active connection through a toothed belt (35) or through an intermediate gear with a driving pinion (39), which is locked in rotation on a driven bevel gear (21), and the driving pinion (39) is supported on the hook carrier (25).

21. Sewing or embroidery machine according to Claim 19, wherein the hook carrier (25) can pivot about the pivot axis (B) that extends parallel to the hook shaft (27) and a driving bevel gear (29) interlocking with the driven bevel gear (21) located on the main shaft (23) and a first toothed pinion (41) is located on the pivot axis (B), and a toothed belt (45), which loops around a second toothed pinion (43) attached to a rear side of the hook (15), rotates on the first toothed pinion (41) or an intermediate gear is inserted between the toothed pinion (41) and the second toothed pinion (43).

22. Sewing or embroidery machine according to Claim 13, wherein a bobbin ejection position is formed between the working position (X) and the bobbin changing position (Y).

23. Sewing or embroidery machine according to Claim 18, wherein for pivoting the hook carrier (25), a lever (47) connects the hook carrier (25) to a flap (13) on the lower arm (5), or an electric motor (53) is provided in driving connection with the hook carrier (25) or the main shaft (23).

24. Sewing or embroidery machine according to Claim 18, wherein the rotational direction of the drive motor (M) of the sewing machine (1) is reversible for pivoting the hook carrier (25).